

# ARCserve®

*Network backup and restore software from the Network Software Specialists.*

Cheyenne Software presents ARCserve, the intelligent approach to network data management.

While simple backup of program and data files may be sufficient in a standalone PC, a network demands more specialized services.

**Your network data management system must be able to backup and restore the entire LAN.** ARCserve provides reliable backup and restore for:

- Local Servers
- Remote Servers
- Workstations
- Program, data & bindery files
- All NetWare file attributes and trustee assignments.

**The highest performance and speed must be realized during backup.**

ARCserve achieves speeds of over 14MB per minute. This enables you to backup *more* data in *less* time.

**Accuracy in backup must be absolute in order to provide a flawless restore.**

ARCserve captures all data, as well as every file attribute, trustee assignment and bindery object so it can restore servers and workstations to their original states.

**A complete selection of backup methods and media must be provided to ensure maximum flexibility.**



enables significant performance improvements over conventional systems.

## Open Architecture

ARCserve has been designed with an open architecture to provide for the continuing growth of your network and to support the changing technology.

Prepare for the inevitable growth of your network and demand the flexibility that ARCserve provides in order to facilitate that growth.



## True Server - Based Architecture Breaks the Conventional Backup Performance Barrier.

ARCserve's server - based approach to network backup and restore

### CONVENTIONAL

Speed limited to wire capability.

Security compromised. Data exposed while traveling over the wire. Workstation must remain logged into network.

Dedicated workstation and operator required.

Multiple points of possible failure.

### ARCserve

Maximum possible performance through direct transfer.

Enhanced security. No data exposed over wire. Automatic login/logout as needed.

Automatic background execution in server.

Centralized operation limits liability.

# ARCserve Specifications

## LAN Requirements

NetWare 2.1x (VAP version)  
NetWare 2.1X ELS Level 2 (VAP version)  
NetWare 3.1 (NLM version)  
File Server Memory: 80K  
                                  128K (tape driver)  
File Server Storage: 90K  
                                  90K (tape driver)

## Workstation Requirements

IBM PC/XT/AT/PS/2 or compatible  
DOS v3.0 or above  
Memory: 512K  
Storage: 500K  
Note: Backup of workstations running OS/2 v1.2 or above is supported.

## Device Compatibility

ARCserve is compatible with a large variety of Random Access and Sequential Access devices offered by many hardware manufacturers.

### Supported devices include:

<u>Sequential</u>	<u>Random Access</u>
Data Cassette	Optical
Data Cartridge	EO
4mm	Winchester
8mm	Bernoulli

Please contact Cheyenne to check on the certification of any particular model.

## Availability

Currently shipping through a worldwide network of distributors and resellers.

## Features & Benefits

<u>FEATURE</u>	<u>BENEFIT</u>
Unattended Operations	Backup occurs automatically in the background at scheduled times without interrupting active applications.
Device Independence	Works with long list of backup devices on the market, including tape and optical, offering flexibility in media and device selection.
Maximum Throughput	Direct data transfer achieves maximum speed on chosen backup devices, handling more data in less time.
Quick Start	Allows backup to begin immediately upon installation. No learning curve required. Scripts automatically generated.
File Tracking System	Library module included in package, providing full backup file tracking capabilities.
Quick File Access	Provides rapid data location. Restoration begins in seconds.
Server-Based Architecture	Maximizes use of file server by centralizing backup operations. No dedicated workstation required. Allows backup device to be shared by all users.



CHEYENNE SOFTWARE, INC.

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# Monitrix®

*Network management software from the Network Software Specialists.*

Cheyenne Software presents Monitrix, the automated approach to network management. Monitrix performs a wide range of high performance activities for network managers.

**Total Network Management.** Most network management software will simply give you an overview of what's going on in your network. Monitrix delivers complete answers to the who, what, when, where, how and why of network performance.

**Network Inventory.** Monitrix automatically gathers a complete network inventory for you, from the LAN cards and addresses in every node to the type of monitor and amount of memory in each workstation. This inventory is a valuable tool in diagnosing networking problems as well as internal conflicts occurring in an individual PC. When problems occur, diagnostic time is shortened because you have an accurate picture of the situation.

**Network Visualization.** Monitrix displays a graphical representation of the internet, including file servers, bridges and workstations, which can help you identify server connections, internet routing, and node IDs.

**Network Testing** Monitrix includes a powerful testing feature allowing you to perform point-to-point connectivity tests between any



nodes on the internet. Speed, frequency and size of packets can be adjusted to test for saturation points, and transmit errors.

**Network Performance.** Monitrix provides a complete array of performance statistics for communications components of any node on the network, including: IPX, SPX, Shell, and LAN Driver.

Monitrix can gather network data in either of two ways:

**Real Time** - statistics are displayed at any workstation and can optionally be captured to an ASCII or dBase file.

**Background** - The Monitrix NLM/VAP can be instructed to capture performance statistics in the background, for a designated period of time, building an informative database for use in historical performance analysis.

**Network Monitoring.** Because Monitrix is a VAP or NLM running in your server, it's able to keep tabs on network performance and monitor the critical components of your LAN - completely in the background. Monitrix will alert you to any potential problem, so it can be fixed before it becomes serious. Alerts can be sent through MHS, E-Mail or even to a pocket pager.

The network monitor watches:

- Available server disk space and memory
- Node Communications
- Printer status
- and more

**Network Protection.** With the average size of networks increasing, allowing more users access to mission critical data, Monitrix's **Virus Detector** is an indispensable option for today's network administrators.

Networks have grown in both size and function as newer operating systems are introduced with the ability to handle larger amounts of disk storage and more physical connections.

Monitrix delivers the answers that are essential for the operation and expansion of your network - today and tomorrow.

**LAN TIMES**  
**RECOMMENDED**  
**NETWORKING**

**PC**  
**MAGAZINE**  
**EDITORS'**  
**CHOICE**  
October 30, 1990  
Monthly Version 1.1

# Monitrix Specifications

## LAN Requirements

NetWare 2.1x (VAP)  
NetWare 2.1X ELS Level 2 (VAP)  
NetWare 3.1 (NLM)  
File Server Memory: 64K  
File Server Storage: 40K

## Workstation Requirements

IBM PC/XT/AT/PS/2 or compatible  
DOS v3.0 or above  
Memory: 512K  
Storage: 400K

## Availability

Currently shipping through a worldwide network of distributors and resellers.

## Features & Benefits

FEATURE	BENEFIT
Automatic Inventory	Replaces manual method of collecting network node configuration components, saving time and resources.
Graphical Network Presentation	Provides an instant overview of all connections on the internet.
Connectivity Testing	Quickly reveals connectivity problems, isolating and detecting faulty nodes.
Statistics Collection	Automatically gathers network performance statistics enabling diagnostic time to be shortened by zeroing in on potential problems. Provides basis for capacity planning by highlighting usage and justifying the addition of network components.
Performance Monitor	Watches over critical network resources, alerting the network manager to potential problems. These alerts allow problems to be discovered rapidly and fixed before they become serious.
Topology Independence	Operates in Ethernet, ARCnet or Token Ring environments, or in networks employing a combination of topologies.
Server-Based Architecture	Centralized operation maximizes use of file server. No dedicated workstation is required to perform network management.



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# Cheyenne Utilities™

## *Network Utilities from the Network Software Specialists.*

Cheyenne Software presents the Cheyenne Utilities for NetWare - a set of critical server and file management utilities for use in the 286, 386, and Portable NetWare environments.

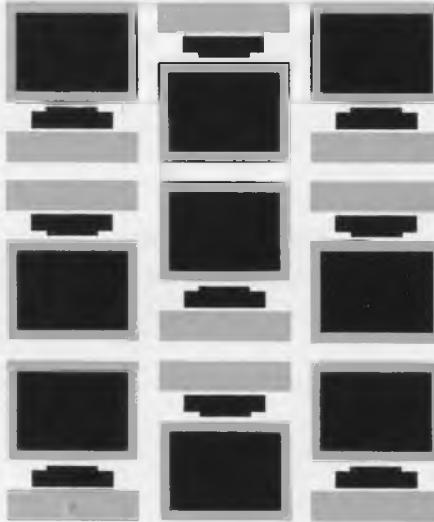
Menu driven and command line utilities are provided for Bindery Management and Restore, Reports, File Management, and Communications.

**The Cheyenne Utilities *VaultFile*™, which captures and stores bindery objects and server properties:**

- Quickly and reliably rebuilds a NetWare server.
- Quickly creates new servers using existing *VaultFile* information.
- Upgrades a network operating system environment into a 386 environment in minutes.
- Even builds one new server from multiple servers.

The *VaultFile* provides all these features WITHOUT REKEYING.

Users and/or resellers can do in minutes what normally takes hours or even days.



**A complete set of server reporting options, including:**

- File Server (286 only)
- Users
- Groups
- Security Equivalences
- Trustee Assignments
- Disk usage
- Login Scripts
- Accounting Information
- Salvageable Files.

Users can document the LAN environment to maintain configuration control, especially before making changes to the network.

The reporting features confirm, in

hard copy, the environment setup using Novell's SYS CON.

**File management capabilities, including:**

- *Archiving* copies files/directories from source to any local or mapped network drive.
- *Pack* copies and compresses files and directory structures into one compressed file.
- *Unpack* decompresses all or part of a packed file.
- *Migrate* moves selected directory structures of data to a secondary storage location.
- *Convert* translates DOS to MAC or MAC to DOS files, preserving all attributes.

Provides ability for the LAN Administrator to effectively manage files and directories on the entire network.

**Communication features allow for internet broadcast messages, user and group messages, as well as communications Mode Control and Logged Communication message retrieval.**

Cheyenne Utilities is a toolbox containing all of the components you need to make LAN administration easy and efficient.

# Cheyenne Utilities Specifications

## LAN Requirements

Novell NetWare 286, NetWare 386, or Portable NetWare

## Workstation Requirements

IBM PC/XT/AT, compatible, PS/2  
MS DOS v3.0 or higher

Memory: 400KB of available memory

Storage: 560KB of server disk space for the Cheyenne Utilities program  
250 KB of workstation (or server) disk space for the command line utilities

## Availability

Currently shipping through a worldwide network of distributors and resellers

## Features & Benefits

<u>FEATURE</u>	<u>BENEFIT</u>
VaultFile	Rebuilds existing servers, adds new servers and upgrades NetWare operating system environments without time-consuming keying of bindery and server setup information.
File Management	Effectively manages entire file and directory structures of data on both local and server volumes, giving more control to the LAN Administrator.
Reporting	Documents the network environment by reporting on configuration, bindery and accounting information. Provides useful administrator's reference.
Communications	Facilitates internetwork communications and controls the logging and retrieval of messages.



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